

河北工程学院 34#高层住宅楼施工组织设计

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毕业设计说明书（毕业论文）

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摘要

1 本施工组织设计为河北工程学院 34 号楼施工组织设计, 该工程地下一层, 地上十一层, 局部十二层, 采纳异型柱框架剪力墙结构, 建筑面积为: 5524. 4m², 主体建筑高度 35. 7m.

2 在设计的过程中我对各项施工方案进行了经济技术分析, 确定了最优的施工方案.

3 本施工设计主要通过对设计任务书和施工图纸的理解, 制定了分部分项工程各项施工方案, 确定出施工过程总数为 31 个. 主要包括: 施工打算, 平整场地, 测量放线, 地下室施工, 标准层施工, 装饰装修等等.

4 将施工总体依次大致分为 : 施工打算→CFG 桩→基坑降水→土方开挖→垫层→做基础→地下室施工→回填土→主体结构施工→装饰装修工程.

5 土方开挖中, 对土方开挖方式分为机械和人工开挖两种, 机械开挖至-3. 2 米, 改为人工开挖, 以利于截桩, 补桩头.

6 模板工程中我选用的模板多数为竹胶板, 外墙脚手架选用悬挑式.

7 工程量计算部分, 小组内各负其责, 我主要计算了部分基础模板和七八层钢筋的工程量. 通过对工程量的总结, 套用施工定额, 支配了施工机械, 人员, 制定出了施工进度支配, 确定总工期为 345. 5 天

8 依据以上计算内容, 结合场地大小, 确定了垂直运输机械塔吊和施工电梯等. 对施工现场的材料堆放位置, 面积进行了布置和计算, 各项临时设施也进行了计算和布置, 依据进度支配, 确定现场木工加工场地面积为 (120m²), 钢筋加工场地为 (100m²) 绘制了施工现场平面布置图一份.

9 本施工组织设计内容主要包括: 毕业设计说明书一份; 标准层施工网络图一张; 施工进度支配 (横道图) 一张; 施工现场平面布置图一张等.

10 关键词: 施工进度 土方开挖 施工平面布置 施工方案

Abstract

This project is one of Hebei engineering university's high level housing buildings. Its' building area

is 5524.4m² and is as far as 35.7 m. Includes one floor's underground structure and 11 floor's superstructure and 12 floor's in part, and uses the special column frame-shear wall of structure. The project has reasonable layout, enough light irradiate and embodies the character of modern high building.

Construction organization plan for the Hebei engineering college 34th building construction organization plan, this project underground, on 11, partial 12, uses the heterogeneous type column frame shearing force wall structure, the floor space is: 5524.4m², main body construction highly 35.7m.

I have carried on the economical technical analysis in the design process to each construction plan, has determined the most superior construction plan

Executive projects mainly through to design the project description and the construction blueprint understanding, has formulated the branch sub-item project each construction plan, determined the construction process total is 31. Mainly includes: The construction preparation, the smooth location, the survey puts the line, the basement construction, the key bed construction, the decoration repair and so on

I construct the overall order approximately to divide into: The construction preparation -> CFG pile -> hole excavated for building foundation precipitation -> folk recipe excavates -> the breaker strip -> to make the foundation -> basement construction -> to return to the earth fill -> main body structure construction -> decoration repair project

Folk recipes excavate, excavates the way to the folk recipe to divide into the machinery and artificially to excavate two kinds, the machinery excavates to -3.2 meters, changes artificially excavates, favor the truncation pile, makes up piles. In

Laying down moulds or forms I select the template most for the bamboo rubber board, the outer wall scaffold selects the suspension style

Resilience computations part, in the group each negative its responsibility, I have mainly calculated the partial foundation template and 78 steel bars resilience. Through to the resilience summary, applies mechanically the construction fixed quantity, has arranged the construction machinery, the personnel, formulated the construction progress plan, determined the total time limit for a project was 345.5 days. Above 8 according to calculates the content, unifies the location size, has determined the vertical transport machinery 塔吊 and the construction elevator and so on. Piled up the position to the job location material, the area has carried on the arrangement and the computation, each item of temporary facility has also carried on the computation and the arrangement, according to the progress plan, the definite scene carpentry processed the location area for (120m²), the steel bar processed the location to draw up job location floor-plan for (100m²). 9 construction organization plan content mainly includes: Graduation project instruction booklet; Key bed construction network chart; Construction progress plan (by-way chart); Job location floor-plan and so on

key words: The construction progress folk recipe excavates the construction plane arrangement construction plan

目 录

0 绪论	1
1 工程概况	1
1.1 功能概况	1
1.2 建筑概况	1
1.3 施工条件	2
2 施工部署	2
2.1 编制依据	2
2.2 工程施工目标	3
2.3 施工打算	3
2.4 施工组织机构	4
2.5 施工总体依次	4
2.6 施工总进度限制	5
3 主要分部分项工程施工方案	5
3.1 测量工程	5
3.2 地基与基础	7
3.4 主体结构	11
3.5 装饰装修工程	16
4 特殊关键部位施工	22
4.1 外脚手架的形式构造要求及技术措施	22
4.2 室内碗扣式满堂脚手架施工	23
4.3 地下室防渗漏施工方案	23
5 冬雨期施工	24
5.1 冬期施工措施	24
5.2 雨期施工方案	27
6 施工进度支配	28
6.1 施工进度支配编制说明	28
6.2 工程量计算	28
6.3 工程进度计算	29
6.4 施工进度图	30
7 资源配置	31
7.1 劳动力支配表	31
7.2 主要施工机具设备配置支配	31
7.3 主要周转材料配置支配	33
8 施工平面布置	33

8.1 平面布置原则	33
8.2 起重机械的位置选择	33
8.3 施工平面布置	34
8.4 施工平面布置图	37
9 工程质量保证措施	37
9.1 工程质量保证措施	37
9.2 成品爱护方案	41
10 降低成本措施	42
10.1 技术措施	42
10.2 经济措施	43
11 平安生产与文明施工保证措施	43
11.1 平安生产管理目标	43
11.2 平安管理体系	43
11.3 平安技术措施	45
11.4 现场技术措施	47
11.5 文明施工措施	48
12 技术经济分析	49
鸣 谢	50
参考文献	51
附录 1 楼板顶板模板设计	52
附录 2 外墙脚手架设计与验算	56
附录 3 工程量计算	63
附录 4 工程进度计算	66

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